D. Srivastava

1653

```
RAW SEQUENCE LISTING               DATE: 09/14/2000
PATENT APPLICATION:  US/08/962,560B    TIME: 17:33:46

Input Set : A:\PTO.txt
Output Set: N:\CRF3\09142000\H962560B.raw
```

Does Not Comply
Corrected Diskette Needed

See pp. 1, 2, 3

```
  4 <110> APPLICANT: Hilton, Douglas J.
  5          Alexander, Warren S.
  6          Viney, Elizabeth M.
  7          Wilson, Tracy A.
  8          Richardson, Rachel
  9          Starr, Robyn
 10          Nicholson, Sandra E.
 11          Metcalf, Donald
 12          Nicola, Nicos A.
 14 <120> TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC AGENTS
 16 <130> FILE REFERENCE: Davies Collison Cave
 18 <140> CURRENT APPLICATION NUMBER: 08/962,560B
 19 <141> CURRENT FILING DATE: 1997-10-31
 21 <160> NUMBER OF SEQ ID NOS: 68
 23 <170> SOFTWARE: PatentIn Ver. 2.1


ERRORED SEQUENCES

137 <210> SEQ ID NO: 4
138 <211> LENGTH: 212
139 <212> TYPE: PRT
140 <213> ORGANISM: Mus musculus
142 <400> SEQUENCE: 4
143 Met Val Ala Arg Asn Gln Val Ala Ala Asp Asn Ala Ile Ser Pro Ala
144   1               5                  10                  15
146 Ala Glu Pro Arg Arg Arg Ser Glu Pro Ser Ser Ser Ser Ser Ser Ser
147             20                  25                  30
149 Ser Pro Ala Ala Pro Val Arg Pro Arg Pro Cys Pro Ala Val Pro Ala
150           35                  40                  45
152 Pro Ala Pro Gly Asp Thr His Phe Arg Thr Phe Arg Ser His Ser Asp
153         50                  55                  60
155 Tyr Arg Arg Ile Thr Arg Thr Ser Ala Leu Leu Asp Ala Cys Gly Phe
156 65                  70                  75                  80
158 Tyr Trp Gly Pro Leu Ser Val His Gly Ala His Glu Arg Leu Arg Ala
159                 85                  90                  95
E--> 161 Glu Pro Va Gly Thr Phe Leu Val Arg Asp Ser Arg Gln Arg Asn Cys
162             100                 105                 110
164 Phe Phe Ala Leu Ser Val Lys Met Ala Ser Gly Pro Thr Ser Ile Arg
165             115                 120                 125
167 Val His Phe Gln Ala Gly Arg Phe His Leu Asp Gly Ser Arg Glu Thr
168     130                 135                 140
171 Phe Asp Cys Leu Phe Glu Leu Leu Glu His Tyr Val Ala Ala Pro Arg
172 145                 150                 155                 160
174 Arg Met Leu Gly Ala Pro Leu Arg Gln Arg Arg Val Arg Pro Leu Gln
175                 165                 170                 175
177 Glu Leu Cys Arg Gln Arg Ile Val Ala Ala Val Gly Arg Glu Asn Leu
```

Invalid amino acid designator.

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PATENT APPLICATION: US/08/962,560B   TIME: 17:33:46

Input Set : A:\PTO.txt
Output Set: N:\CRF3\09142000\H962560B.raw

```
178           180           185           190
180 Ala Arg Ile Pro Leu Asn Pro Val Leu Arg Asp Tyr Leu Ser Ser Phe
181          195           200           205
183 Pro Phe Gln Ile
184     210
1644 <210> SEQ ID NO: 24
1645 <211> LENGTH: 2019
1646 <212> TYPE: DNA
1647 <213> ORGANISM: Mus musculus
1649 <220> FEATURE:
1650 <221> NAME/KEY: UNSURE
1651 <222> LOCATION: (1981)
1652 <223> OTHER INFORMATION: N is unsure
1654 <220> FEATURE:
1655 <221> NAME/KEY: UNSURE
1656 <222> LOCATION: (1992)
1657 <223> OTHER INFORMATION: N is unsure
1659 <220> FEATURE:
1660 <221> NAME/KEY: UNSURE
1661 <222> LOCATION: (2010)          → n is at location 2000
1662 <223> OTHER INFORMATION: N is unsure
1664 <400> SEQUENCE: 24
1665 ggcacgaggc ggggtcaggg cggaggctga ggaccaagta ggcatggcgg agggcgggac 60
1667 cggccccgat ggacgggccg gcccgggacc cgcaggtcct aatctgaagg agtggctgag 120
1669 ggagcagttc tgtgaccatc cactggagca ctgtgacgat acaagactcc atgatgcagc 180
1671 ctatgtaggg gacctccaga ccctcaggaa cctactgcaa gaggagagct accggagccg 240
1673 catcaatgag aagtctgtct ggtgctgcgg ctggcttccc tgcacaccac tgaggatcgc 300
1675 agccactgca ggccatggga actgtgtgga cttcctcata cgcaaagggg ccgaggtgga 360
1677 cctggtggat gtcaaggggc agactgccct gtatgtggct gtagtgaacg ggcacttgga 420
1679 gagcactgag atccttttgg aagctggtgc tgatcccaac ggcagccggc accaccgcag 480
1681 cactcctgtg taccatgcct ytcgtgtggg tagggacgac atcctgaagg ctcttatcag 540
1683 gtatggggca gatgttgatg tcaaccatca tctgaattct gacacccggc cccctttttc 600
1685 acggcggcta acctccttgg tggtctgtcc tctatacatc agtgctgcct accataacct 660
1687 tcagtgcttc aggctgctct tgcaggctgg ggcaaatcct gacttcaatt gcaatggccc 720
1689 tgtcaacacc caggagttct acaggggatc ccctgggtgt gtcatggatg ctgtcctgcg 780
1691 ccatggctgt gaagcagcct tcgtgagtct gttggtagag tttggagcca acctgaacct 840
1693 ggtgaagtgg gaatccctgg gcccagaggc aagaggcaga agaaagatgg atcctgaggc 900
1695 cttgcaggtc tttaaagagg ccagaagtat tcccaggacc ttgctgagtt tgtgccgggt 960
1697 ggctgtgaga agagctcttg gcaaataccg actgcatctg gttccctcgc tgccgctgcc 1020
1699 agaccccata aagaagtttt tgctttatga gtagcattca catgcagtgc tgactgcaat 1080
1701 gtggaagccg atcacctgca gtgaaaactg acacagactc tggcatcctg ggaaccatgg 1140
1703 cctgtgctgc cagcttgatc cttggctgtc agtgaagaaa aaacggctgt gttctcttgg 1200
1705 actgtgattc tatctcaggt gcttgggcca tcgaacgctc cttgagtcat tgtcaactga 1260
1707 gaggcacata caaacttaat tttgttcctc ttcagtctct ctgttttgga ttcttcctgg 1320
1709 caatgtgtgc agcatgggct gagcctggtg attgccctag tggggaaggc tttttttctcc 1380
1711 aggctatgca tctatttatg ttcctacttt gcaatttatt gttcttttaa ggcttgatat 1440
E--> 1713 caaaacagaa agaggtttgt taagaaaaga tatagggaga aaggaattcc ggttccgtgc 1550          → miscount typo should be 1500
1715 acttgctagc ctgctttcct tgcctgggtt tgtctgtcta tgctgcctgg tgcacatccc 1560
1717 ttctctttgc tgccactgtt ctattttggg agttgtcttc cgtctaagat ggcttctggg 1620
```

```
RAW SEQUENCE LISTING                          DATE: 09/14/2000
PATENT APPLICATION:   US/08/962,560B          TIME: 17:33:46

Input Set : A:\PTO.txt
Output Set: N:\CRF3\09142000\H962560B.raw
```

```
      1719 gttctatctt attgcacaga ggtcccagaa cagtgttcat agggcaccat ctgctctgcc 1680
      1721 aagggttttc tgatgtctta ccctgggggat cttcagacag tggttacctt taggagaccc 1740
      1723 acctggaact aaccattaag tgactgccca cattcagatc agggaccatc ttaatagtac 1800
      1725 tcactgccag tcctcacaag agaagatgac acgggtgctc tcttcagaca ctcccataca 1860
      1727 ggaagttgga aaatgtcttg gtcacctggg ttgttcccag gctacaactt cttggtgttc 1920
      1729 cactaaracc aggatatcct agttttttgg gttgactgtt ccctccccac tttccttgaa 1980
W--> 1731 ncccaatgcc cntttgtktn ggttgcttcc ctaaaaktt                         2019
```

n is at location 2000, not 2010

F.Y.I.

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

```
              VERIFICATION SUMMARY                    DATE: 09/14/2000
              PATENT APPLICATION:   US/08/962,560B    TIME: 17:33:47

              Input Set : A:\PTO.txt
              Output Set: N:\CRF3\09142000\H962560B.raw

L:161 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:161 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L:1085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:1117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:1137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:1237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:1264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:1279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:1713 M:254 E: No. of Bases conflict, LENGTH:Input:1550 Counted:1500 SEQ:24
L:1731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:1775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:1916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:1920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:2524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:2679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:3416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:3437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
```